

GLAST Monthly PSR

Launch Vehicle

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04/07/04



Accomplishments/Status



✦ **LV GFE status**

– *LV Mating Connectors*

- *Received by SAI 1st week of March*

– *LV Drill Template*

- *Received by SAI On 4/01/04 - not required by Boeing to re-work TPAF*

– *LV Test PAF*

- *De-mated from Swift on 3/10/04 and shipped back to Boeing*
- *CDR + 2 month need date overlaps with NPP usage - request into SAI to refine need date*

✦ **Launch Vehicle Interface Peer review held 3/12/04**

– *Charts to be used to produce draft SC Questionnaire/IRD*

✦ **Request in to KSC to determine inclination change magnitude with excess LV performance**

– *Use 4627 kg to 575 km as baseline allocation*



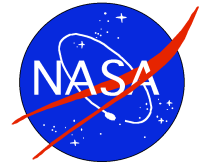
Accomplishments/Status

✦ *LVI special attention items for CDR*

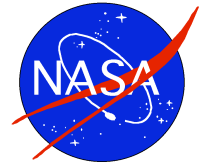
- *PPG version vs. MIWG version of payload fairing envelope*
 - *Boeing has agreed for GLAST to use PPG envelope*
- *Umbilical connector location on SC*
 - *New design presented at Structures Peer Review meets Boeing requirements for vertical location, separation force, and fly away clearance*
 - *Tight clearance to one of the BGOs*
- *SC/PAF separation switch design/location*
- *TBD requirement for LAT/ACD purge on launch pad with helium-free GN2*
- *SC power-on/telemetry during launch*
- *SAI considering performing all observatory pre-launch processing in Astrotech HPF*
 - *To avoid de-configuring/move of observatory after last CPT in PPF*



Issues/Problems



- ✦ *No major issues at this time*
- ✦ *Monitoring TPAF schedule*



Upcoming Events

- ✦ ***Next CLA cycle***
 - *Have provided rationale to KSC 6 weeks in advance to perform 2nd CLA*
 - *Late April/early May timeframe for model delivery to KSC*
- ✦ ***May require KSC and/or Boeing support for power-on study and review of SC Questionnaire/IRD***
- ✦ ***Working off MIWG/GOWG action items***
- ✦ ***MESSENGER scheduled on next Delta II heavy launch has slipped from May to July 30 due to SC problems***